

Chicken GPX1 ELISA Kit | GPX1 elisa kit

Chicken GPX1 (Glutathione Peroxidase 1) ELISA Kit

CATALOG #
AAA21480

REACTIVITY
Chicken

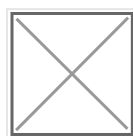
PRODUCT SYNONYMS

GPX1; Chicken GPX1 (Glutathione Peroxidase 1) ELISA Kit; GPX1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Chicken
Specificity	This kit recognizes Chicken GPX1 in samples. No significant cross-reactivity or interference between Chicken GPX1 and analogues was observed.
Sequence Length	203
Assay Type	Quantitative Sandwich
Samples	Serum, plasma and other biological fluids
Detection Range	62.5-4000pg/mL
Sensitivity	37.5pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, mid range and high level Chicken GPX1 were tested 20 times on one plate, respectively.
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, mid range and high level Chicken GPX1 were tested on 3 different plates, 20 replicates in each plate.
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GPX1 elisa kit

Principle of the Assay: This ELISA kit uses the Sandwich-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Chicken GPX1. Standards or samples are added to the micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for Chicken GPX1 and Avidin-Horseradish Peroxidase (HRP) conjugate are added successively to each micro plate well and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Chicken GPX1, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of stop solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm $\pm$ 2 nm. The OD value is proportional to the concentration of Chicken GPX1. You can calculate the concentration of Chicken GPX1 in the samples by comparing the OD of the samples to the standard curve.

Intended Uses: This ELISA kit applies to the in vitro quantitative determination of Chicken GPX1 concentrations in serum, plasma and other biological fluids.

NCBI AND UNIPROT INFORMATION

NCBI GI #	41406084
NCBI GeneID	2876
NCBI Accession #	NP_000572.2
NCBI GenBank Nucleotide #	NM_000581.2
UniProt Accession #	P07203; Q7Z5H1; Q9BW12; E9PAS1
Molecular Weight	10,289 Da
NCBI Official Full Name	glutathione peroxidase 1 isoform 1
NCBI Official Synonym Full Names	glutathione peroxidase 1
NCBI Official Symbol	GPX1
NCBI Official Synonym Symbols	GPXD; GSHPX1
NCBI Protein Information	glutathione peroxidase 1; GPx-1; GSHPx-1; cellular glutathione peroxidase
UniProt Protein Name	Glutathione peroxidase 1
UniProt Gene Name	GPX1
UniProt Synonym Gene Names	GPx-1; GSHPx-1
UniProt Entry Name	GPX1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/chicken-elisa-kits/gpx1/21480>